INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/014450

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N33/58 G01N33/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FIEHN O ET AL: "Metabolite profiling for plant functional genomics" NATURE BIOTECHNOLOGY 2000 UNITED STATES, vol. 18, no. 11, 2000, pages 1157-1161, XP002325275 ISSN: 1087-0156 cited in the application the whole document	1-22
X	figures; table 1 page 1157, left-hand column, line 1 - page 1159, left-hand column, line 10	23,24, 26-28

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[X] Further documents are listed in the continuation of box C.

[ ] Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
19 April 2005	04/05/2005

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Döpfer, K-P

INTERNATIONAL SEARCH REPORT

International Application No
[redacted]/EP2004/014450

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FIEHN O ET AL: "Identification of uncommon plant metabolites based on calculation of elemental compositions using gas chromatography and quadrupole mass spectrometry" ANALYTICAL CHEMISTRY 01 AUG 2000 UNITED STATES, vol. 72, no. 15, 1 August 2000 (2000-08-01), pages 3573-3580, XP002325276 ISSN: 0003-2700 cited in the application the whole document	1-22
A	WAGNER C ET AL: "Construction and application of a mass spectral and retention time index database generated from plant GC/EI-TOF-MS metabolite profiles" PHYTOCHEMISTRY, PERGAMON PRESS, GB, vol. 62, no. 6, March 2003 (2003-03), pages 887-900, XP004408975 ISSN: 0031-9422 the whole document	1-22
A	ALLEGOOD JEREMY CHADWICK ET AL: "Use of isotopically labeled palmitate to examine de novo sphingolipid biosynthesis by LC-MS/MS: a metabolomic approach." FASEB JOURNAL, vol. 17, no. 4-5, March 2003 (2003-03), pages Abstract No. 628.6 URL-http://ww, XP002325277 & FASEB MEETING ON EXPERIMENTAL BIOLOGY: TRANSLATING THE GENOME; SAN DIEGO, CA, USA; APRIL 11-15, 2003 ISSN: 0892-6638	1-22
X	abstract	23,26-28
P,X	MASHEGO M R ET AL: "MIRACLE: Mass isotopomer ratio analysis of U-13C-labeled extracts. A new method for accurate quantification of changes in concentrations of intracellular metabolites." BIOTECHNOLOGY AND BIOENGINEERING, vol. 85, no. 6, 20 March 2004 (2004-03-20), pages 620-628, XP002325278 ISSN: 0006-3592 the whole document	1-28